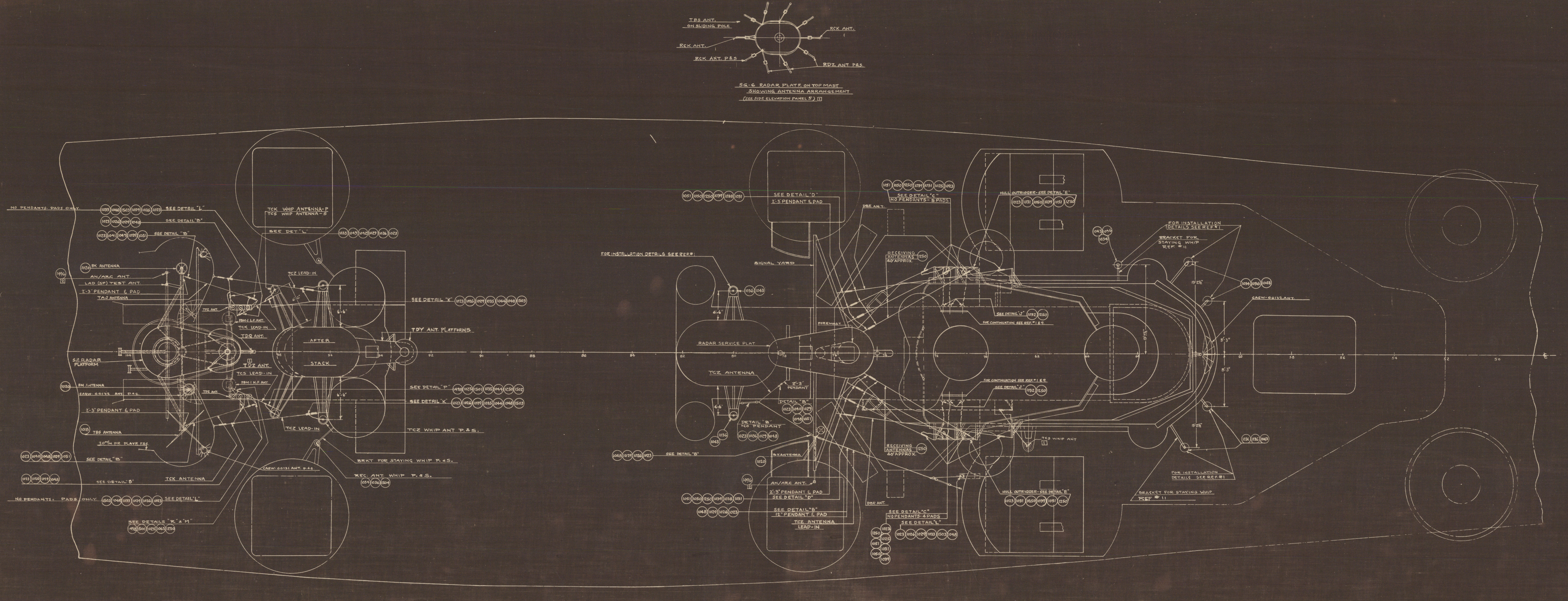
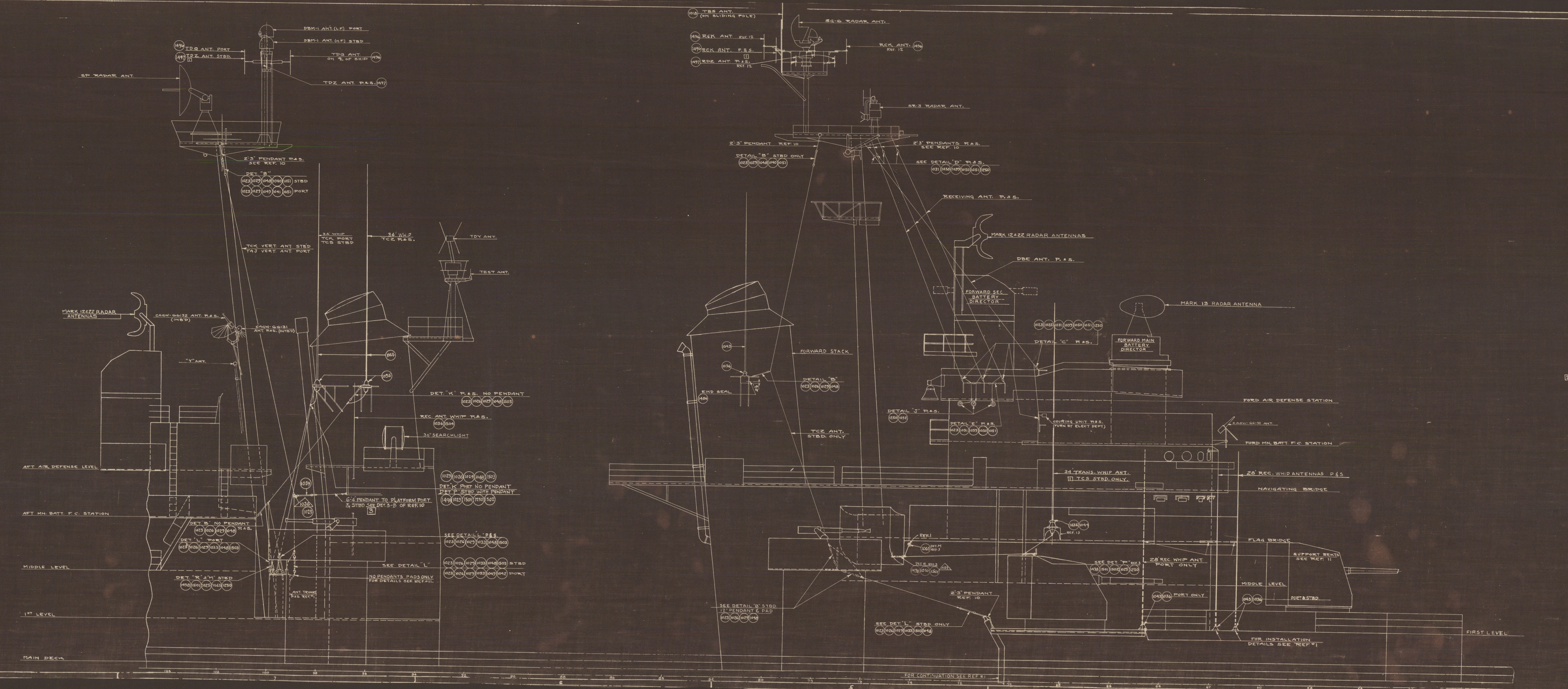
133





NOTE: FOR DETAILS OF ANT. CONNECTIONS SEE REF'S #2 & #3.

LIST OF MATERIAL

	N.Y. SHIP PIECE NOS			AMOUNT	MATERIAL	ND SPECS	DESCRIPTION	PATTERN NO.	DETAIL DR.	REMARKS
	1018			2			TBS ANTENNA			FUR. BY BUR. OF SHIPS
2 1	1496			8			ANT. ASSEMBLY - TYPE 66095			
	1020			3			CTZ 66ACG			
1	1497			9			66147			
	1486			2			END SEAL - TYPE 62111			
3	1023			59	GALV. STEEL	COMM.	ANCHOR SHACKLE (3/8" SCREW PIN)		THOMAS LAUGHLIN CO. G-209	
	1498			16			1/4" CHAIN SHACKLE		THOMAS LAUGHLIN G-215	
	1025			14	BRASS	46B6 INT.	CLAMP (SUSPENSION FOR 1/8" DIA WIRE)		REF. 2	
3	1026			16	COMP MNC	46B3	CLAMP (SUSPENSION FOR 5/16" OR 7/16" WIRE)		REF. 2	14 WITH 1/4" GROOVE 2 WITH 3/8" GROOVE
	1040			2	GALV STEEL	COMM.	THIMBLE (5/16" FOR 5/16" DIA. WIRE)		THOMAS LAUGHLIN G-411	
	1041			1			THIMBLE (7/16" FOR 7/16" DIA. WIRE)			
3	1029			19			INSULATOR TYPE 61012A			
1	1065			3			INSULATOR TYPE C-61471			
	1031			30			INSULATOR TYPE 61014A			FUR. BY BUR. OF SHIPS
	1032			6			INSULATOR TYPE 61019B			
	1033			6			INSULATOR TYPE 61475			
	1034			7			INSULATOR TYPE 61175			
	1035			5			INSULATOR TYPE 61335 (TRANS.)			
	1036			9			INSULATOR TYPE 61350 (REC.)			
	1501			4			INSULATOR TYPE 61481			
	1038			8	GALV STEEL		THIMBLE (1/8" FOR 1/8" DIA. WIRE)		THOMAS LAUGHLIN CO. G-411	
	1039			44	GALV STEEL		THIMBLE (1/4" FOR 1/4" DIA WIRE)			
	1502			2	COPPER		LUG (FOR 1/8" D. WIRE)		9-S-3808-L-3	FURN. BY ELECT. DEPT.
	1503			8			LUG (FOR 5/16" D. WIRE)		9-S-3808-L-7	
	1042			1			TERMINAL (CABLE) 90° FOR 7/16" DIA. WIRE		9-S-3808-L-10	
	1043			7			WHIP ANTENNA - TYPE 66046 (RECEIVING)			FUR BY BUR OF SHIPS
	1044			5			WHIP ANTENNA - TYPE 66047 (TRANSMITTING)			
	1504			2			WHIP ANTENNA - TYPE 66053 (RECEIVING)			
	1250			500 FEET	SILICON BRONZE		WIRE (1/8" DIA. 7×#18 GA. PLASTIC COATED TYPE EX580)			
	1048			300 FEET	PHOS BRONZE	22R3	WIRE (5/16" DIA 6X19 PHOSPHOR BRONZE)			
	1049			70 FEET	PHOS. BRONZE	22R3	WIRE (7/16" DIA 6X19 PHOSPHOR BRONZE)			
	1050			42 FEET	GALV. STEEL	22R3	WIRE (1/4" DIA 6X12 STEEL GALVANIZED)			
	1051			28 FEET	SILICON BRONZE	COMM'L	WIRE (SINGLE STRAND SEIZING)			
2	~~1505~~			~~2~~	~~—~~	~~—~~	~~JUNCTION BOX TYPE "A"~~			~~FURN BY ELECT DEPT~~
	~~1506~~			~~2~~	~~—~~	~~—~~	~~LUG~~			
	~~1507~~			~~2~~	~~—~~	~~—~~	~~TERMINAL TUBE TYPE L11 SIZE B~~			
	~~1508~~			~~2~~			~~INSULATOR TYPE 61023~~			~~FUR. BY BUR. OF SHIPS~~
	~~1509~~			~~2~~		~~—~~	~~CLAMP RING~~			~~FURN WITH P. 1508~~
	~~1510~~			~~4~~	~~LEAD~~		~~WASHER~~			
	~~1511~~			~~2~~	~~BRASS~~		~~WASHER~~			
	~~1512~~			~~4~~			~~HEX NUT~~			
	~~1513~~			~~4~~		~~43-W-2~~	~~WASHER~~		~~REF. 3~~	~~5/8" O.D. × 9/32" I.D. × 1/16" THK.~~
	~~1514~~			~~4~~		~~43-B-11~~	~~HEX NUT~~			~~3/8" 24NF3~~
	~~1515~~			~~12~~		~~43-S-5~~	~~#10 RD HD MACH. SCREW~~			~~#10-32NC2 L=5/8"~~
	~~1516~~			~~2~~	~~COMP NR~~	~~46-B-6~~	~~BUSHING~~			~~5/8" DIA. L=1"~~
	~~1517~~			~~2~~						~~5/8" DIA. L=5/8"~~
	~~1518~~			~~2~~			~~ANT. ROD~~			~~1/4" DIA. L=21"~~
	~~1519~~			~~2~~			~~GROUND ROD~~			~~1/4" DIA. L=18½"~~
	~~1520~~			~~2~~	~~STEEL~~	~~44-P-10~~	~~ANT. SUPPORT ARM~~			~~3/4" STD. PIPE L=18"~~
	~~1521~~			~~4~~	~~MN. STL~~	~~46-S-1~~	~~U-CLIP~~			~~1"×3/16" F.B. L=3"~~
	~~1522~~			~~4~~			~~CLIP~~			~~1"×1/4" F.B. L=3 5/8"~~
	~~1523~~			~~8~~	~~STEEL CL B~~	~~43-B-11~~	~~HEX HD BOLT~~			~~3/8" 16NC3 L=1"~~
	~~1524~~			~~8~~	~~STEEL CL C~~		~~HEX NUT~~			~~3/8" 16NC3~~
	~~1525~~			~~8~~	~~STEEL~~	~~COMM~~	~~LOCKWASHER~~			~~FOR 3/8" D. BOLT~~

ALTERATIONS

MARK	PANEL	DESCRIPTION	U.S.N. DATE	U.S.N. APPD.	MADE BY	BILLS OF MATERIAL
1³	2³ 10² 5' 7' 12'	TCS WHIP ANT. AND LEAD-IN RELOCATED. PC. NO. 1065 INCREASED FROM 2 TO 3 PCS. 2 RCK ANT. & 4 RDZ ANT. ADDED ON FOREMAST. 1 TDZ ANT. ADDED ON MAINMAST PC. NO. 1496 INCREASED FROM 4 TO 6, PC. NO. 1497 INCREASED FROM 4 TO 9 PCS. REF. 12 ADDED THIS ALTERATION CHARGEABLE TO N.Y.S. CHANGE # 76	7-23-46	a.a.	RHMcC	
2	2² 10' 12'	2 ANT. FOR AN/ARC (PC. NOS. 1505 TO 1525) BUILT-UP TYPE DELETED AND 2 TYPE 66095 (PC. NO. 1496) ADDED. THIS ALTERATION CHARGEABLE TO NYS CH. # 76			RHMcC	
3⁴	2³ 7'	(GUY) PENDANT FOR TAJ STICK ANTENNAS ADDED, QUANTITIES FOR PC. NOS. 1023, 1029 & ASSEMBLY 1026 INCREASED BY 2. ABOVE CHANGE TO AGREE WITH WORK DONE ON SHIP AND CHARGEABLE TO N.Y.S. CHANGE # 76	10-21-46	a.a.	J.D.	

FUSION WELDING SYMBOLS

1. NEAR, FAR AND BOTH SIDES LOCATIONS REFER TO NEAREST MEMBER PARALLEL TO PLANE OF DRAWING AND NOT TO OTHERS FARTHER BEHIND.
2. ALL WELDS ARE CONTINUOUS AND OF STANDARD PROPORTIONS UNLESS OTHERWISE SHOWN. THE ROOT OPENINGS OF ALL GROOVED WELDS MAY BE SHOWN.
3. WELDS ON BOTH SIDES ARE OF SAME SIZE UNLESS OTHERWISE SHOWN.
4. SYMBOLS GOVERN TO BREAK IN CONTINUITY OF STRUCTURE OR TO EXTENT OF HATCHING OR DIMENSION LINES.
5. ON SECTION OR END VIEWS ONLY, THE SIDE TO WHICH ARROW POINTS IS CONSIDERED NEAR SIDE WHEN WELD IS NOT DRAWN.
6. WHEN WELDS ARE DRAWN IN SECTION OR END VIEWS, SIZE ONLY NEED BE GIVEN.
7. IN JOINTS IN WHICH ONE MEMBER ONLY IS TO BE GROOVED, ARROWS POINT TO THAT MEMBER

RIVETING SCHEDULE

CLEAR. OF RIV. IN HOLE	TYPE HD. & PT.		RIV. DIAM.	MAX. SPACE IN DIAMS.	MAX. SPACE IN INCHES

N.Y.S. CONTRACTS	FOLLOWING YARD CONTR'S.

CA133

THIS PLAN SUPERSEDES N.Y.S. DR No 449-628-A
BU. OF SHIPS No. CA72-S6700-179463 FOR CA133 ONLY.

PORTION OF LABOR & MAT'L CHARGEABLE TO
N.Y.S. CHANGE No. 76 & MACH. CHANGE No. 18.

REFERENCE PLANS

NO	TITLE	N.Y.S. DR. No.	BU. SHIPS PLAN No.
1	ANTENNA TRUNKS & LEAD-INS	449-628-E	CA72-S6700-52488ICA
2	ANTENNA DETAILS	449-628-B	CA130-S6700-718017
3	ANTENNA DETAILS	449-628-C	CA72-S6700-179464CA
4	SHIPBOARD ANTENNA ARRANGEMENT	———	RE 66AA 274
5	GENERAL INSTALLATION SPECS FOR SHIPBOARD RADIO TRANSMITTING ANTENNA SYSTEMS	———	RE 66A 430
6	WIRE ROPE ANTENNA DETAILS	———	RE 66AA 230
7	ANTENNA SYSTEM - TYPE ARR'G'T.	———	RE 66F 328
8	WARNING SIGN	———	RW 10AA 192
9	GENERAL ARR'G'T OF RIGGING	452-441-G	CA133-S1801-586389
10	RIGGING DETAILS SHEET 1	449-441-B	CA72-S1801-522208CA
11	RIGGING DETAILS SHEET 2	452-441-H	CA133-S1801-717877
12	SP RADAR PLAT. & ANT. OUTRIGGERS ON MAINMAST & MISCL. DETS. ON FORE TOP MAST	450-281-T	CA74-S1702-103360CA
13	MIDDLE LEVEL FOR'D, FLAG BRIDGE PLAT'G ETC.	449-271-5	CA74-S1116-176457CA
14			
15	SUPPORTS FOR COMPASSES ETC. & WHIP ANT. ON STACKS	449-271-60	CA72-S1116-522446CA

PIECE NOS. LAST No. IN SERIES	PIECE NOS. LAST No. USED	MAT'L ORDERED ON
1550	1525	452-628-51 B/M 52/54, 63/65 71/72, 92, 95/96 255/257, 279 289 & 291

FINISHES
FR = MACH. FINISH ROUGH
FS = MACH. FINISH SMOOTH
B = BUFF
FG = FINISH GROUND
FF = FINISH FILE

CA133 CONT. 452

NEW YORK SHIPBUILDING CORP.
CAMDEN, NEW JERSEY, U. S. A.
HULL DEPARTMENT

GENERAL ARRANGEMENT OF ANTENNAS

SCALE 1/4" = 1 FT. DRAWN BY WFS & RHM DATE 23 MAY 46
TRACED BY ______ CHECKED BY RH. CH. DRFT. ______

DR. No. 452-628-H

APPROVED ______ NAVAL ARCHITECT

CA 133
FORWARDED TO BUREAU.
END. No. CA130-133/S67, SERIAL 7751
5/29/46.
SUPERVISOR OF SHIPBUILDING, U.S.N.

CA 133
APPROVED 5/28/46 DATE
for N. A. White
SUPERVISOR OF SHIPBUILDING, U.S.N.
REF. ______

HULL PLAN

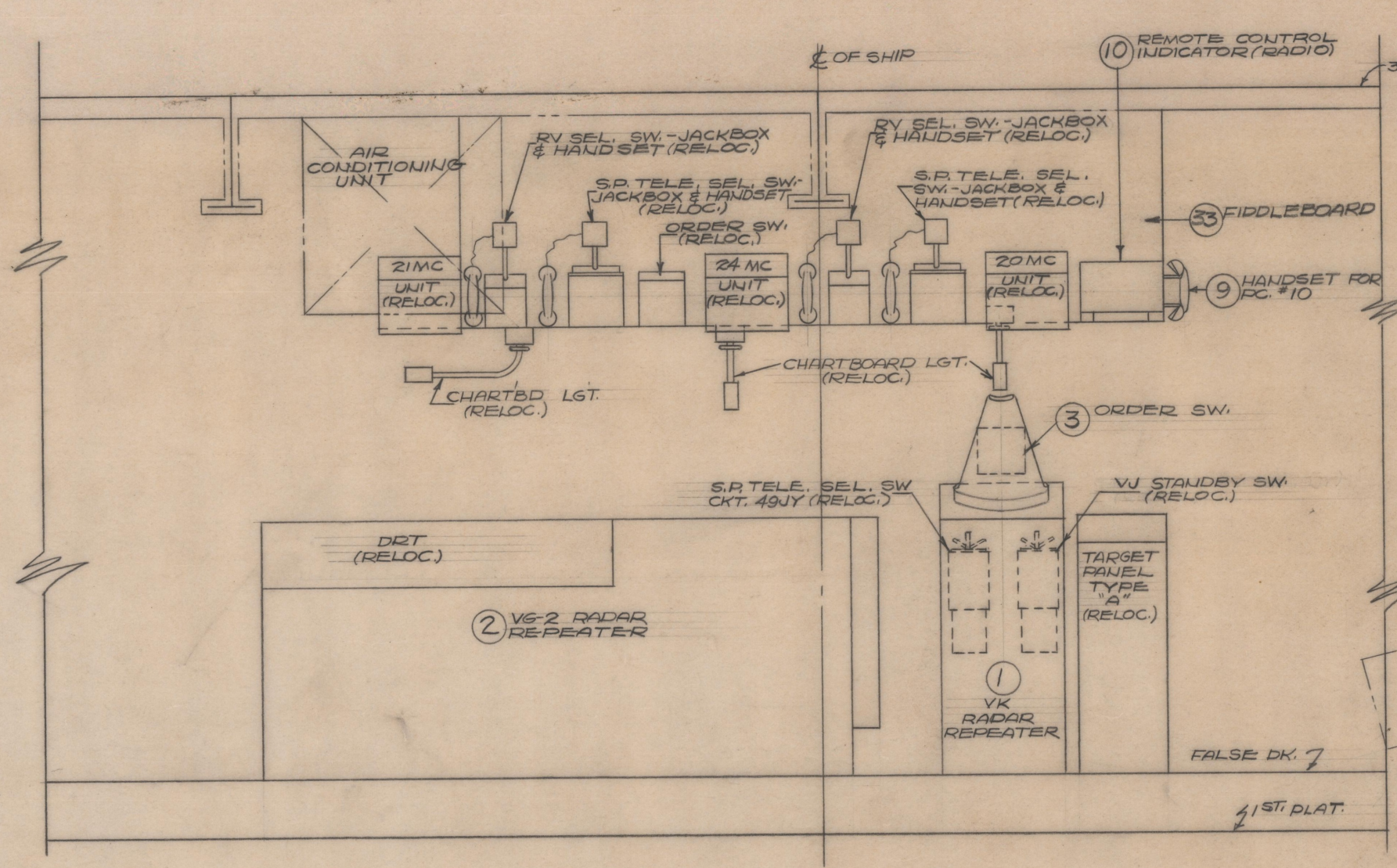
CORRECTED WORKING PLAN
EXAMINED AND FOUND CORRECT
DATE ______
SUPERVISOR OF SHIPBUILDING, U.S.N.

BUREAU OF SHIPS PLAN NUMBER
CA133-S6700-717583 ALT. 3

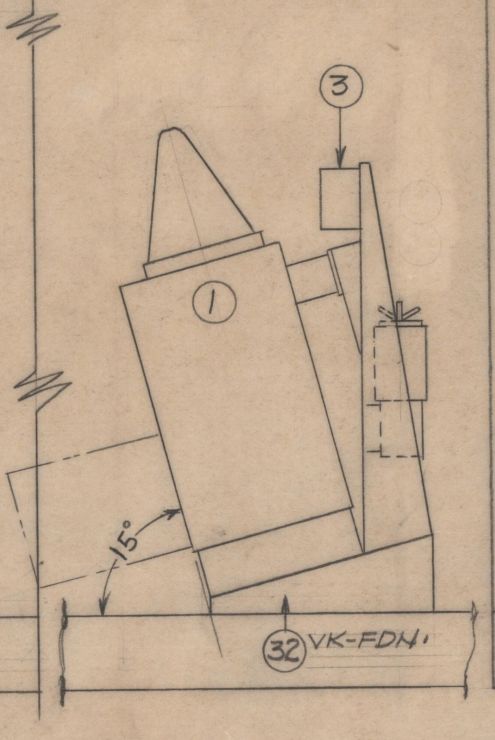
RECORD OF PRINTS

PRINT NO.	DEPT.	NO. PRINTS	PRINT NO.	DEPT.	NO. PRINTS
1	10	1CK			
	May 20. 46				
	452				
2	6	1			
3	91	1			
4.5	92	2			
6	10W	1			
7	104	1			
8-10	42	3			
11.12	68	2			
14	69	1			
15	77	2			
17	22	1			
3	June	[illegible]			
18	10	18W			
	June 46				
19	78	1			
11	June 46	[illegible]			
	452				
20	6	1			
21	91	1			
22-23	92	2			
24	10W	1			
25	104	1			
26-28	42	3			
29-31	68	2			
32	69	1			
33	22	1			
34-35	78	2			
36	22	1			
42	Aug 46	[illegible]			
37	10	1			
	Sept. 4. 46				
38	28	1			
42	Sept 46	[illegible]			

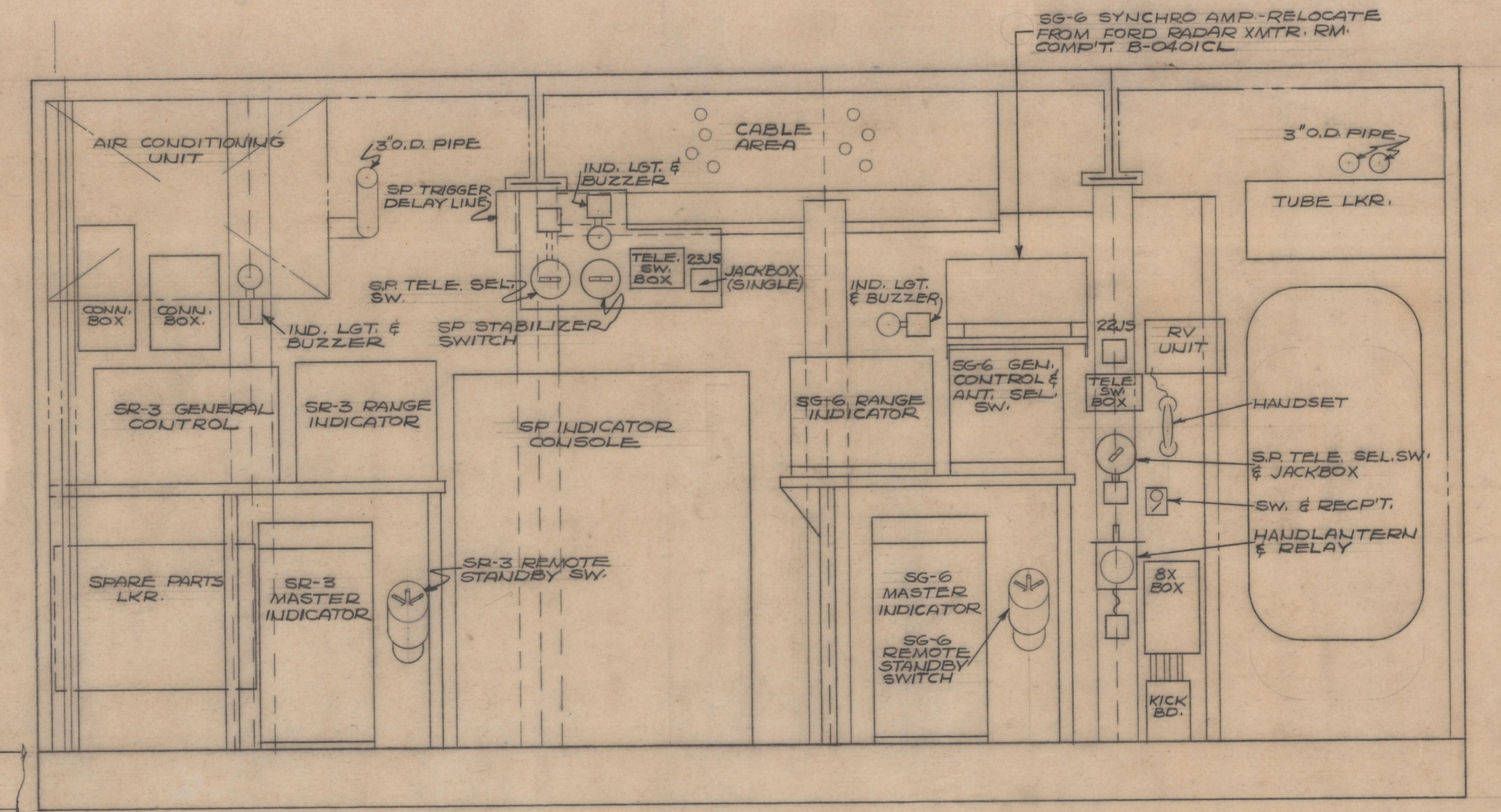
CA133-S6700-717583



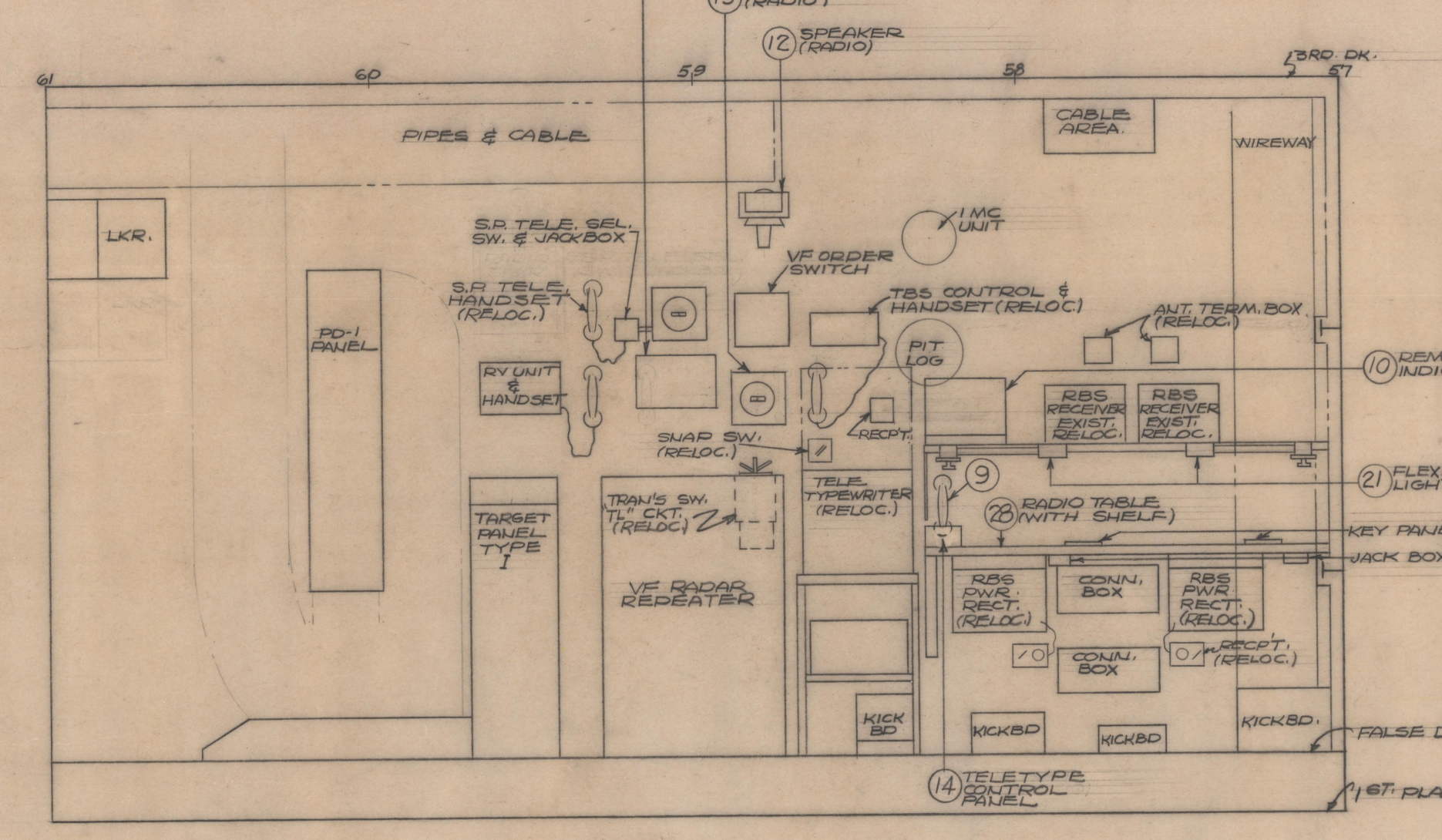
SECTION 6-A
FIDDLEBOARD
SCALE 3/4"=1FT.



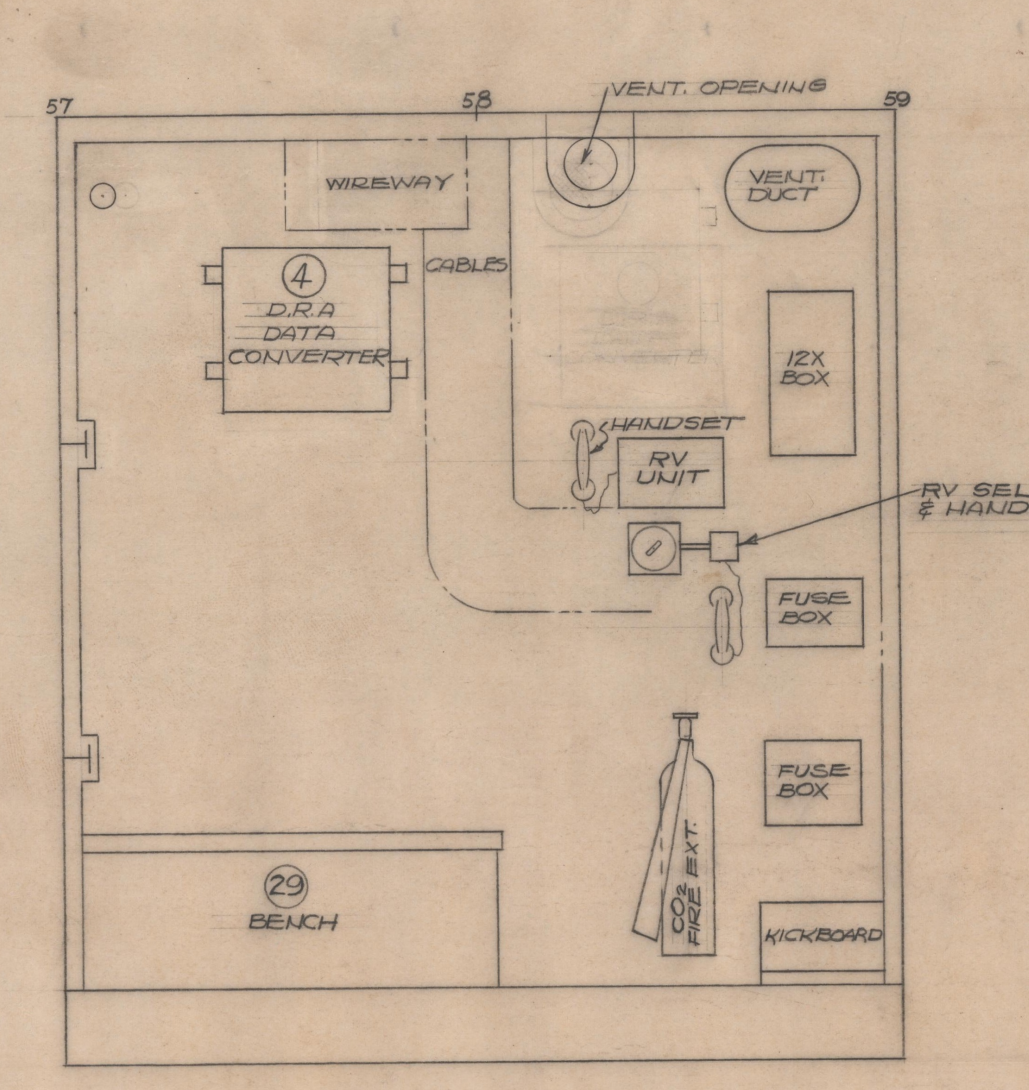
SEC. 6-B
SCALE 3/4"=1FT.



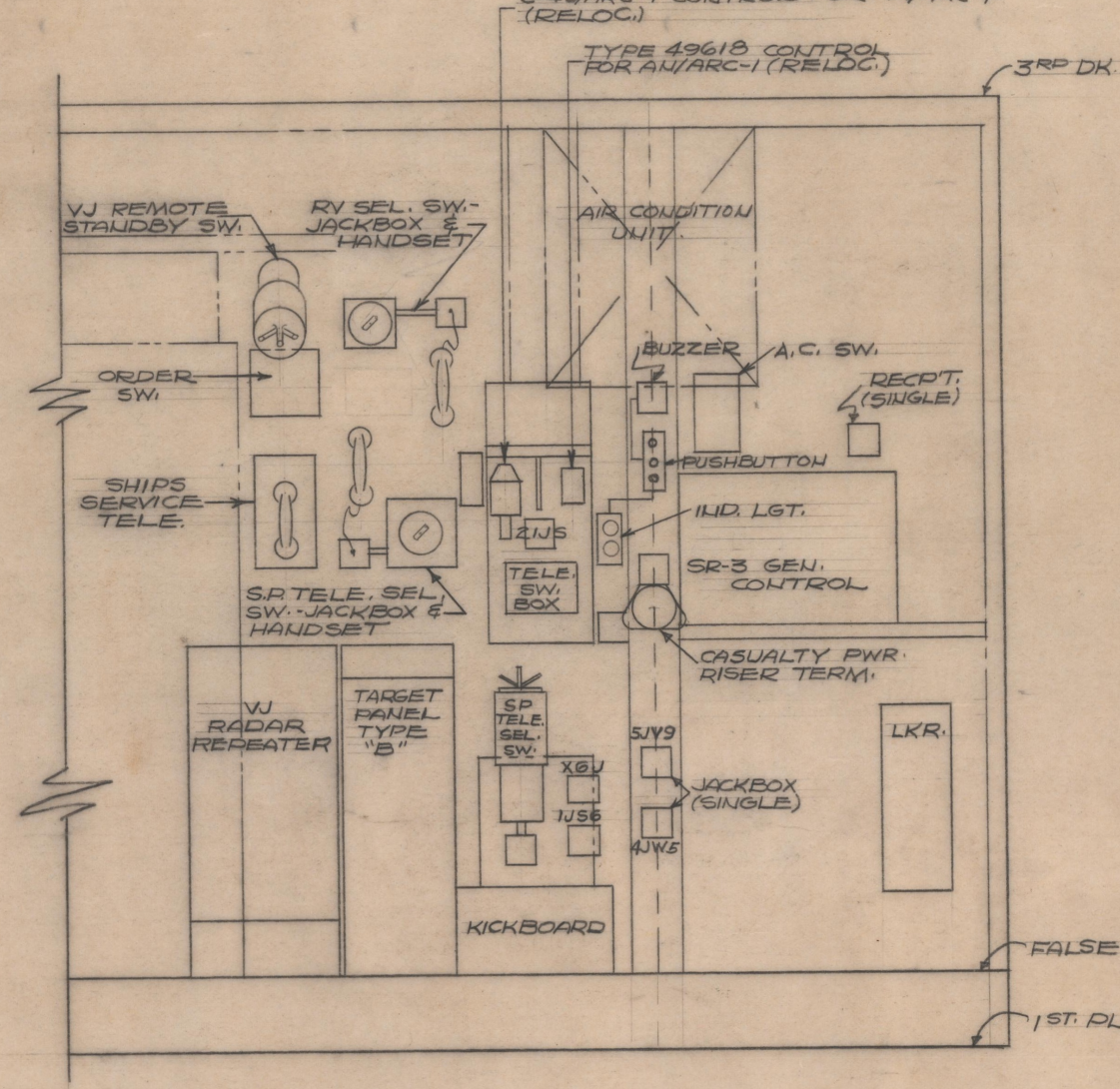
SECTION 5-A
LOOKING AFT
SCALE 3/4"=1FT.



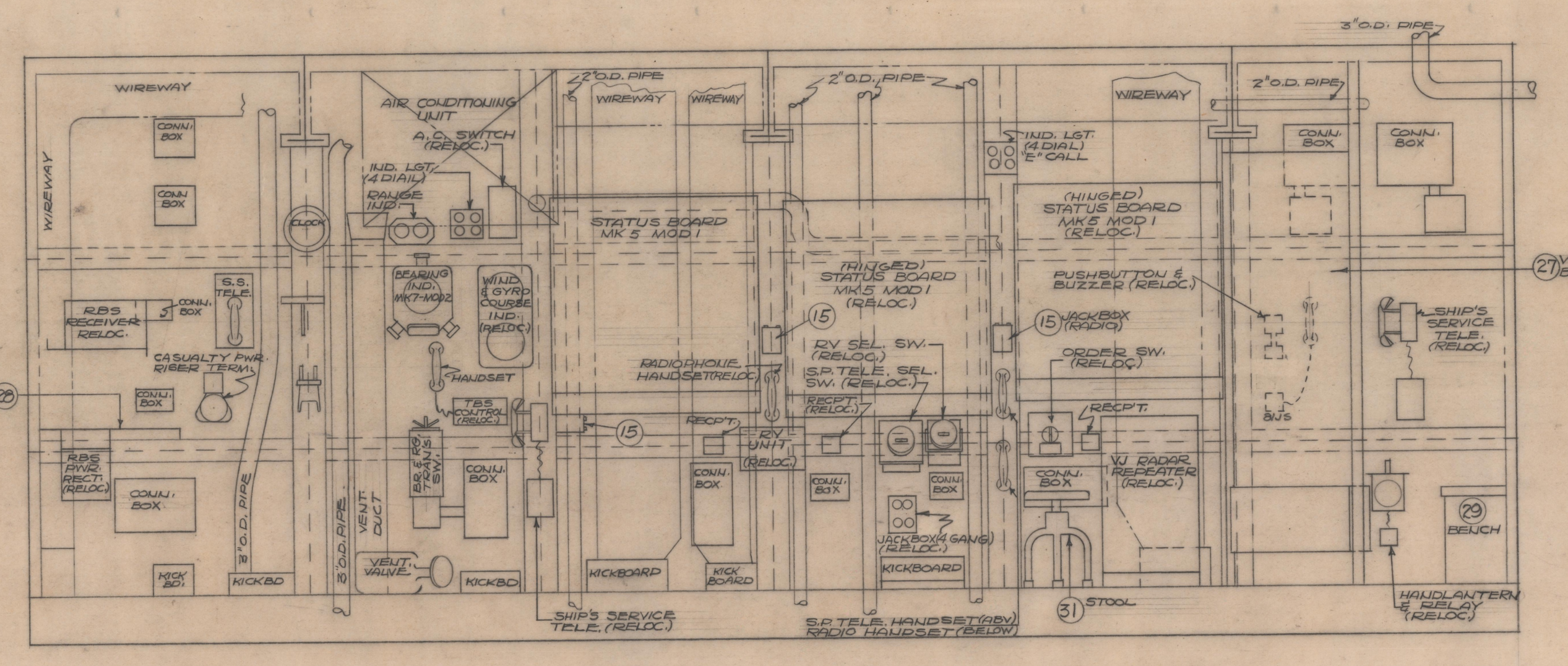
SECTION 4-A
LOOKING PORT
SCALE 3/4"=1FT.



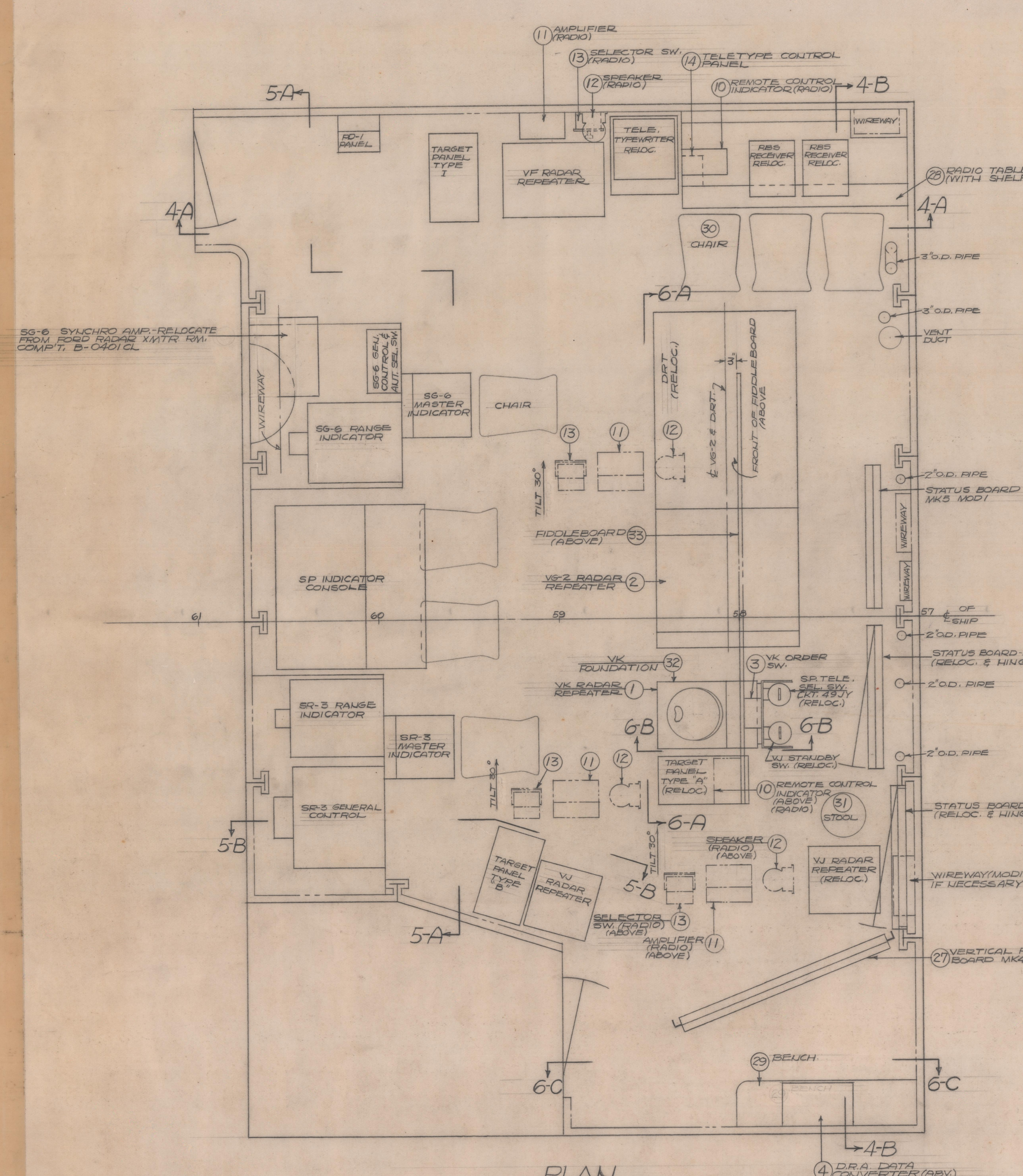
SECTION 6-C
LOOKING STBD
SCALE 3/4"=1FT.



SECTION 5-B
EXPANDED
SCALE 3/4"=1FT.


VENT. VALVE
KICKBOARD
SHIP'S SERVICE TELE. (RELOC.)
S.P. TELE. HANDSET(ABV.) RADIO HANDSET (BELOW)
STOOL

SECTION 4-B
LOOKING FORD
SCALE 3/4"=1FT.



PLAN
COMBAT INFORMATION CENTER
COMP'T. A-421C-FR57-61-1ST. PLAT.
SCALE 3/4"=1FT.

LIST OF MATERIAL

QUANTITIES ARE FOR ONE SHIP

PIECE NO.	NO. REQD.	DESCRIPTION	SYMBOL	MATERIAL	MATL. SPEC. AND GRADE	TYPE OR DRAWING NUMBER	MATL. LIST NO.	EST. WT.	REMARKS
1	1	RADAR REPEATER	VK	RADAR		TYPE CG-55AHL		450#	
2	1	" "	VG-2			" CG-55AFL		1400#	
3	1	ORDER SW.	VK			" CM-24645			
4	1	DATA CONVERTER (D.R.A.)	VK						
5									
6									
7									
8									
9	2	HANDSET (FOR PC. #10)							
10	2	REMOTE CONTROL INDICATOR		RADIO		TYPE 23496	✓	35#	
11	4	AMPLIFIER				" AM-215/U	✓	20#	
12	4	SPEAKER				" 49546	✓	23#	
13	4	SELECTOR SWITCH				" JA 2C 16B	✓	20#	
14	1	TELETYPE CONTROL PANEL				" C-492/SG	✓	10#	
15	3	JACKBOX				" 49029	✓	1#	
16									
17									
18									
19									
20									
21	2	FLEXIBLE ARM LIGHT (MODIF.)		LIGHTING					
22									
23									
24									
25									
26									
27	1	VERTICAL PLOT BOARD		HULL		MK 4 MOD 1			
28	1	RADIO TABLE (WITH SHELF)							
29	1	BENCH							
30	AS REQD	CHAIR				TYPE IV			
31	1	STOOL (18" HIGH)							
32	1	FOUNDATION (FOR VK REPEATER)							
33	1	FIDDLEBOARD							
34									
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ALTERATIONS

MARK	MADE BY	CH'K'D. BY	PANEL	DESCRIPTION	APP'D.	DATE

REFERENCES

NO.	DWG. NO.	TITLE
(*) 1.	CA133-S6507-535693 (ALT. 6)	GENERAL ARRANGEMENT-COMBAT INFORMATION CENTER
2.	CA133-S6700-227007	ADDITIONS TO RADAR REPEATER SYSTEM-CKT R-ER 150 W.D.
3.	CA133-S6700-227024	ADD'T. RADIO REMOTE CONTROL SYS. TO CONFORM TO 1948 ALLOWANCE - CKT. R-RR, R-RT, R-RV, R-RX, & R-RZ-150. W.D.
4.	CA133-S6401-214464	ADD'T. RADIO EQUIP'T. & C.I.C. REARRG'T.-LIGHTING MODS.

NOTES

NO.

1. THIS PLAN MODIFIES PLAN REF. #1
2. REFERENCE PLANS MARKED THUS (*) ARE NOT NECESSARY FOR ACCOMPLISHING WORK AND ARE LISTED ONLY FOR INFORMATION IN CONNECTION WITH THE CORRECTION OF SHIP'S PLAN INDEX
3. ALL EQUIP'T. WITH PC. NUMBERS ARE NEW & ALL OTHER EQUIP'T IS EXISTING & SHALL REMAIN "AS IS" EXCEPT AS NOTED.

SPECIAL NOTE → 4. THE INSTALLATION OF RADIO UNITS IN ACCORDANCE WITH D.R. 6708 & RADAR SYNCHRO AMPLIFIER INCIDENTAL TO D.R. 6715 IS THE ONLY WORK TO BE ACCOMPLISHED IN ACCORDANCE WITH THIS PLAN, PRIOR TO AUTHORIZATION FOR D.R. 11714-6508 - SHIPALT CA707

L.B.-106964

SHIPS APPLICABLE	DESIGN REQUEST No.	ESTIMATOR'S NAME, UNIT AND PHONE NUMBER
	24714-6715	
	11714-6708	
CA133	11714-6508	ANDERSON "E" 418

AUTH. SHIPALT CA707

PUGET SOUND NAVAL SHIPYARD
BREMERTON, WASH.

DELINEATED ENGEL
CHECKED L. GADDIS
REVIEWED L. GADDIS
SUPERVISOR R. J. Levin
PHONE No. 642, 601

DEPUTY HEAD ENGINEER
APPROVED FOR COMMANDER

SCALE AS NOTED
DATE 11/1/48

COMBAT INFORMATION CENTER
COMP'T. A-421C FR. 57-61 1ST. PLAT.
ARRANGEMENT OF EQUIPMENT

BUREAU OF SHIPS PLAN NUMBER
CA133-S6507-227002 ALT. –

PRINTS ISSUED		
PUB.WKS.DFT.		
NEW CONST.		
CH. EST.		
P. & E. UNIT	X 1	2
P. & E. UNIT		
ELEC. LAB.		
PROD. OFFICE		2
CHIEF PROG.	2	
SUPPLY OFF.		
SHIPS FORCE		2
11		4
11-L		
17		4
23		
28		
31		
31-DIR.		
31-GYRO		
38-ORD.		
38		
41		
51	2	6
56		
61		
68		
70		
71		
72-LOFT		
74		
94		
99		
06		
DATE	10/28/48	11-3-48
	PREL.	

106964

NOV 2 09 1948

BU. SHIPS NO. CA133-S6507-227002 TITLE COMBAT INFORMATION CENTER COMP'T A-421C FR.57-61 1st PLAT ARRANGEMENT OF EQUIPMENT

"C.B. Made"

L.B.-106964